

Teck 90

UL 1569, CSA

Construction

Class B stranded, bare copper conductors, cross-link PE insulation, bare copper ground wire, PVC inner jacket, aluminum or galvanized steel interlocking armor, PVC outer jacket. Thermoset insulation. 600V (14-10 AWG), 1,000V (8-2 AWG), -40°C to 90°C.

Applications

A general purpose cable used in the pulp and paper, mining, petroleum, and chemical industry as well as in commercial buildings. Teck 90 may be used under the following conditions: exposed or concealed wiring in dry or wet conditions, in ventilated, non-ventilated or ladder type cable trays in dry or wet conditions, on walls or beams, directly buried and Class I and II Division 2 locations and all Class III locations.



Design Advantages

Insulation Properties

- High tensile strength
- Impact and crush resistant
- Heat and moisture resistant
- Excellent elongation
- Good low-temperature properties

Electrical Properties

- High insulation resistance
- Low dielectric loss
- High dielectric strength

Other Features

- Corrosion resistant
- Versatile and flexible
- Provides cost saving as the need for conduit and ducts are not required

Part No.	AWG	No. of Cond.	Ground Wire	Insulation Thick. (in)	Nominal O.D. (in)	Ampacity*	Weight (lbs/M-ft)
2C14B7TEK90	14	2	14	.030	.650	15	215
3C14B7TEK90	14	3	14	.030	.671	15	240
4C14B7TEK90	14	4	14	.030	.706	15	270
5C14B7TEK90	14	5	14	.030	.749	12	305
6C14B7TEK90	14	6	14	.030	.789	12	340
7C14B7TEK90	14	7	14	.030	.789	11	355
10C14B7TEK90	14	10	14	.030	1.029	11	550
12C14B7TEK90	14	12	14	.030	1.049	11	590
15C14B7TEK90	14	15	14	.030	1.124	11	685
20C14B7TEK90	14	20	14	.030	1.251	11	870
30C14B7TEK90	14	30	14	.030	1.400	9	1,125
2C12B7TEK90	12	2	14	.030	.688	20	245
3C12B7TEK90	12	3	14	.030	.712	20	280
4C12B7TEK90	12	4	14	.030	.752	20	325
2C10B7TEK90	10	2	12	.030	.736	30	300
3C10B7TEK90	10	3	12	.030	.764	30	350
4C10B7TEK90	10	4	12	.030	.840	30	435
3C8B7TEK90	8	3	10	.045	.897	45	475
4C8B7TEK90	8	4	10	.045	1.035	45	665
3C6B7TEK90	6	3	8	.060	1.117	65	770
4C6B7TEK90	6	4	8	.060	1.237	65	950
3C4B7TEK90	4	3	8	.060	1.263	85	1,035
4C4B7TEK90	4	4	8	.060	1.345	85	1,290
3C3B7TEK90	3	3	6	.060	1.313	105	1,210
3C2B7TEK90	2	3	6	.060	1.377	120	1,390
4C2B7TEK90	2	4	6	.060	1.478	120	1,820

* Ampacity is based on rule 12-2212 of the CEC Part 1 for installation at 30°C ambient or less and 90°C conductor temperature with at least one cable diameter spacing in ventilated and ladder type trays.

Color Coding:
For sizes 14, 12, 10 use ICEA Method 1, Table K.2 with printed numbers.
For sizes 8 and larger use ICEA Appendix K, Method 4 with printed numbers.

See referenced pages in the Hardware & Supplies section:

Suggested Prep Tools

- MK01A Outer Jacket Cable Stripper - I-11
- 721 Multi-Wire Stripper/Cutter - I-9